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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/997,030
Filing Date	11/30/2001
First Named Inventor	Volodymyr V. Kindratenko ET AL.
Art Unit	2671
Examiner Name	Enrique L. Santiago
Attorney Docket Number	00-444

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

☐ Fee Transmittal Form
   ☐ Fee Attached
☐ Amendment/Reply
   ☐ After Final
   ☐ Affidavits/declaration(s)
☐ Extension of Time Request
☐ Express Abandonment Request
☐ Information Disclosure Statement
☐ Certified Copy of Priority Documents
☐ Response to Missing Parts/ Incomplete Application
   ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers *(for an Application)*
☐ Drawing(s)
☐ Licensing-related Papers
☐ Petition
☐ Petition to Convert to a Provisional Application
☐ Power of Attorney, Revocation Change of Correspondence Address
☐ Terminal Disclaimer
☐ Request for Refund
☐ CD, Number of CD(s) _____

☐ After Allowance communication to Technology Center (TC)
☐ Appeal Communication to Board of Appeals and Interferences
☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
☐ Proprietary Information
☐ Status Letter
☒ Other Enclosures(s) (please Identify below):

Request for Certificate of Correction

Remarks

Certificate
SEP 1 6 2005
of Correction

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Andrew J. Ririe, Registration No. 45,597
Signature	*(signature)*
Date	September 8, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope address to:
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Typed or printed name	Andrew J. Ririe		
Signature	*(signature)*	Date	8-Sep-2005

SEP 19 2005

PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Letters	)	Group Art Unit: 2671
	)	
Patent No.: 6,897,863 *B2*	)	Examiner: Enrique L. Santiago
	)	
Granted: May 24, 2005	)	
	)	
Inventor: Volodymyr V. Kindratenko et al.	)	
	)	
Title: SYSTEM AND METHOD FOR HIDDEN OBJECT REMOVAL	)	
	)	
Attorney Docket No.: 00-444	)	

Peoria, Illinois 61629-6490
September 8, 2005

Attention Certificate of Corrections Branch
Commissioner for Patents
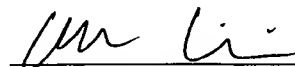P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR §1.322

Sir:

The patentee, Caterpillar Inc., of the above-referenced patent requests the issuance of a Certificate of Correction under 37 C.F.R. § 1.322. The mistakes were made by the Patent and Trademark Office. In particular, the amendment of October 20, 2004, was not reflected in the version of the claims included in the issued patent.

Two copies of Form PTO-1050 are submitted herewith on the desired corrections.

Respectfully submitted,

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Registration No. 45,597
Caterpillar Inc.

Telephone: (309) 636-1974
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Enc.

SEP 1 9 2005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.:   6,897,863 $B2$ Page 1 of 3
APPLICATION NO.: 09/997,030
ISSUE DATE: May 24, 2005
INVENTOR(S):   Volodymyr V. Kindratenko et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please correct the Claims as follows:

Claim 1, Column 10, Line 44, delete "hidden" and insert --occluded--

Claim 1, Column 10, Line 56, delete "and"

Claim 1, Column 10, Line 60, delete "grid." and insert --grid; and
    identifying at least one occluded portion of the image based on the identified second
        plurality of n-dimensional components.--

Claim 3, Column 10, Line 64, after "components" delete "." and insert --and excluding the at least one occluded portion.--

Claim 4, Column 10, Line 65, delete "The method of claim 1, wherein said identifying further includes:" and insert --A computer-implemented method for identifying hidden and visible surfaces on an n-dimensional object, wherein n is greater than 1, said method comprising:
    generating an n-dimensional image of an object, said image including a first plurality of
        n-dimensional components that define a shape and orientation of the image and a
        plurality of parts located inside the image;
    superimposing an n-dimensional grid of pixels on said image, said pixels arranged in a
        lattice structure such that each pixel of said grid corresponds to one of a plurality of
        vertices of an m-sided cell, wherein each side of said m-sided cell includes at least four
        vertices; and
    identifying a second plurality of n-dimensional components located on an outer perimeter
        of said image that abut or overlap at least one side of one m-sided cell in said grid,
        wherein said identifying includes:--

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SEP 1 9 2005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.:   6,897,863 B2   Page 2 of 3

APPLICATION NO.: 09/997,030

ISSUE DATE: May 24, 2005

INVENTOR(S):   Volodymyr V. Kindratenko et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 10, Column 11, Line 38, delete "hidden" and insert --occluded--

Claim 10, Column 11, Line 53, delete "and"

Claim 10, Column 11, Line 57, delete "grid." and insert --grid; and

    a module identifying at least one occluded portion of the image based on the identified second plurality of n-dimensional components.--

Claim 12, Column 11, Line 61, delete "components." and insert --components and excluding the at least one occluded portion.--

Claim 13, Column 11, Line 62, delete "The apparatus of claim 10, wherein said module for identifying further includes the capability to:" and insert --An apparatus for identifying hidden and visible surfaces on an n-dimensional object, wherein n is greater than 1, said apparatus comprising:

    a network device having a memory containing a program that further includes:

    a module for generating an n-dimensional image of an object, said image including a first plurality of n-dimensional components that define a shape and orientation of the image and a plurality of parts located inside the image;

    a module for superimposing an n-dimensional grid of pixels on said image, said pixels arranged in a lattice structure such that each pixel of said grid corresponds to one of a plurality of vertices of an m-sided cell, wherein each side of said m-sided cell includes of at least four vertices; and

    a module for identifying a second plurality of n-dimensional components located on an outer perimeter of said image that abut or overlap at least one side of one m-sided cell in said grid, wherein said module for identifying further includes the capability to:--

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CERTIFICATE OF CORRECTION

PATENT NO.:   6,897,863 *B2*   Page 3 of 3
APPLICATION NO.: 09/997,030
ISSUE DATE: May 24, 2005
INVENTOR(S):   Volodymyr V. Kindratenko et al.

     It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 19, Column 12, Line 53, delete "and"
Claim 19, Column 12, Line 57, delete "grid." and insert --grid; and
   identifying at least one hidden portion of the image based on the identified second
      plurality of n-dimensional components.--

Claim 21, Column 12, Line 62, delete "components." and insert --components, excluding the at least one hidden portion.--

Claim 22, Column 12, Line 63, delete "The" and insert --A--
Claim 22, Column 12, Line 63, delete "of claim 19, wherein said identifying further includes:" and insert --having stored thereon machine executable instructions, the execution of said instructions adapted to implement a method for identifying hidden and visible surfaces on an n-dimensional object, wherein n is greater than 1, said method comprising:
   generating an n-dimensional image of an object, said image including a first plurality of
      n-dimensional components that define a shape and orientation of the image and a
      plurality of parts located inside the image;
   superimposing an n-dimensional grid of pixels on said image, said pixels arranged in
      a lattice structure such that each pixel of said grid corresponds to one of a plurality of
      vertices in an m-sided cell, wherein each side of said m-sided cell includes at least
      four vertices; and
   identifying a second plurality of n-dimensional components located on an outer perimeter
      of said image that abut or overlap at least one side of one m-sided cell in said grid,
      wherein said identifying includes:--

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